

ARUBA



NEWS

Lago Oil & Transport Co., Ltd.

Aruba, Netherlands Antilles

VOL. 44 - NO. 8

NOVEMBER 1983

Effective January 1, 1984:



G. E. Golden

Golden retires, Cavallaro succeeds

Mr. Gerald E. Golden, who had assumed the position of Lago President in 1979, will go on pension retirement on January 1st, 1984. Mr. Golden has over 30 years of service with the



A. Cavallaro

Cavallaro, Lago Vice President since September of 1982 will be replacing Mr. Golden as President of the Company. Mr. Cavallaro, who joined the Exxon Corporation in 1960, has also held numerous positions in the refining and marketing functions at the SARPOM refinery in Treccate and at the Esso Italiana.

Exxon organization. Prior to assuming the position of Lago President, Mr. Golden has held various positions with Esso Standard Oil Co. in Baton Rouge, Exxon Corporation in New York, Esso Standard Libya in Tripoli, Esso Inter-America and Esso Caribbean and Central America in Coral Gables. Mr. Antonio

Company expands eye protection policy

Gloves, ear plugs, safety shoes, hard hats and safety eye protection are all basic to an effective safety program in an industrial operation such as Lago. Even though Lago has all those items included in its Safety Program, it constantly seeks to better them. In this light, the Company will introduce an expansion of its eye protection policy in January 1984.

Lago and contractor employees will be required to wear safety eye glasses or safety prescription glasses (lenses and frames) in the Process and Laboratory areas, the Mechanical Shops and when engaged in a work of mechanical nature elsewhere within the Lago concession. Visitors who enter Process, Mechanical and Laboratory areas will be required to wear returnable plastic safety eye shields. Prior to this amendment, only those employees wearing prescription glasses and those doing work requiring goggles were required to wear eye-protection of any kind.

Safety eye glasses do not replace the use of other kinds of eye protection, as there is not one type of eye protection that can serve all types of job situations. At Lago, spectacles with side shields, goggles, face shields and acid hoods are provided to protect against flying particles, splashing liquids and harmful rays. However, in the first 10 months of this year, there were three cases of minor eye injuries and 23 cases of foreign bodies in the eye (FBE's). The minor eye injuries were caused by naphtha splash, welding flash and fuel oil splash. Those three

injuries and the other 23 FBE's could have been prevented by the use of the proper protective equipment. Vision, just like hearing and speech is one of the most valuable natural abilities of a human being. To realize

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Compania ta amplia proteccion pa wowo

Guante, plug pa horea, zapato di seguridad, 'safety hat', proteccion pa wowo, tur ta cosnan basico cu ta necesario pa un programa di seguridad efectivo den un operacion industrial manera Lago. Aunke tur e cosnan aki ta inclui den Lago su programa di seguridad, Compania ta purba constantemente pa mehoranan. Desde e punto di vista aki, Compania lo introduci na Januari 1984 un expansion di e pólisa pa proteccion di wowo.

Empleado di Lago y contratista mester bai bisti bril di seguridad of bril di bista di seguridad (lens y frame) den areanan di Process y den Laboratorio, den Mechanical Shop y ora di haci trabao mecanico únda cu tá den e concesion di Lago. Bishitantenan cu ta drenta areanan di Mechanical, Process y Laboratorio lo ser requeri pa bisti proteccion pa wowo cu por wordo entregá bek. Prome cu e reforma aki solamente esnan cu ta bisti bril di bista y esnan cu ta haci trabao cu ta requeri "goggles"

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Lago Oil & Transport Co., Ltd.
Shell International Aruba



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Printer: Verenigde Antilliaanse Drukkerijen N.V.

New faces



Randolph Peterson
Mechanical



Victor Marval
OMS&C

Welcome



Edsel Schotborgh
Technical



Monique Schotborgh
Controller's

Eye Protection

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the handicap blindness causes, close your eyes and attempt to accomplish your daily activities. What a frustrating and helpless feeling. You quickly realize that living in that condition for a lifetime, is not worth a risk. Don't take even a small one, such as neglecting to wear eye protection for a split second! Scientists have made artificial limbs, teeth and organs, but they still have not invented an eye replacement.

The safety equipment industry has designed a wide range of safety eye wear and is constantly striving to improve it. Responsible companies, such as Lago, are designing their safety programs to incorporate the best recommendations for the safety of their employees. However, the final result of any safety program depends on the employee himself. He (she) must decide to wear the protective equipment that is at his (her) disposal.

promotions



Girigorio Brion
Engineering Technician-3
Technical

Leo S. Soekander
Project Engineer
Mechanical



pabien

Proteccion di wowo

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mester a bisti algun tipo di proteccion pa wowo. Brilnan di seguridad no ta reemplazá e uso di cualkier otro tipo di proteccion pa wowo, ya cu no tin un solo tipo di proteccion pa wowo cu por sirbi tur situacion. Na Lago, bril cu shieldnan na banda, goggles, shieldnan pa cara y acid hoods ta wordo suministrá pa protehá contra particulonan cu ta bula rond, liquidonan cu ta spat y rayonan peligroso. Sinembargo, den e promer 10 luna di e aña aki tabatin tres caso di herida chiquito di wowo y 23 caso di "foreign body" den wowo (FBE). E heridanan chiquito a ser causá pa spatnan di naphtha y combustibile y rayonan di weldo. E tres heridanan ey y e otro FBE-nan lo por a wordo preveni door di usa equipo di proteccion apropiá.

Bista, mescos cu oído y habla ta un di e abilidadnan natural mas valioso di un ser humano. Pa realisa kiko e handicap di ciegedad ta causa, bo tin di djies sera bo wowonan y purba di cumpli cu bo actividadnan di tur dia. Esta un sentimiento di frustracion y desesperacion. Pensando cu bo lo tin di biba den e condicion aki henter bo bida, bo lo realisa lihé cu no ta vale la pena pa risca. No tuma ni siquiera un risico chiquito manera falta di bisti proteccion di wowo pa un seconde. Cientificonan a traha man, pia, diente y organonan artificial, pero te ainda nan no a bin cu un wowo cu por wordo reemplazá. E industria di equipo pa seguridad a diseña un variacion grandi di bril di seguridad y constantemente ta purba di mehora esakinan. Companianan responsabel manera Lago ta diseñando nan programanan di seguridad pa incorporá e mihor recomendacionnan di seguridad pa nan empleadonan. Sinembargo, e resultado final di cualkier programa di seguridad ta dependé ariba e empleado mes. E mester dicidí pa bisti equiponan protectivo cu ta na su disposicion.

Project provides for high quality air

Reliability of operations was the driving force behind the Compressed Air System Upgrade Project. The air system had some major difficulties to be dealt with: there was water condensation throughout the entire system, lines were badly corroded, hydrocarbons were entering the air system, and there were leaks in the air distribution system.

The Compressed Air System Upgrade Project has corrected the deficiencies and will provide the refinery with a reliable supply of compressed air, free of water, oil and particulates.

Of most concern during the past few years, has been the amount of water in the air. Water causes damage and corrosion to instruments and other equipment. This can lead to failure of instruments, which in turn can seriously affect the reliability and safety of refinery operations. In this project, major emphasis was put on tackling the water problem. Four air dryers, two at each power house, have been installed. Each dryer has two desiccant beds which adsorb the water and then release the wet air in the atmosphere.

To correct the other deficiencies in the compressed air system, leaks were repaired and air traps and dryers were installed to permit drains to be closed, thus conserving air. Intake filters were installed at accessible locations at all compressors to reduce the amount of particulates in the air. To prevent oil from entering air lines, pipe loops were installed on the fuel oil tanks.

All these different facets of the Compressed Air System Upgrade Project have provided for a higher quality of air for general refinery use. Verne Weir of the Project Engineering Division of the Technical Department was the Project Leader of this 2.8 million dollar project that was completed on October 21.



Sixteen employees of the Technical, Process, Mechanical and Controllers departments attended the Kepner Tregoe Problem Solving and Decision Making Course. Harold Loew of Kepner Tregoe, photo above, was the instructor.



14 Lago employees and 4 other Esso CCA employees participated in the Refinery Economics Course. Glenn Geerman and Tony Nemecek instructed the section on Lago and EIA Economics. Tom Releford of Florham Park, photo above, gave instructions on Exxon Economics.



Proyecto ta percura pa bon calidad di awa

Confiabilidad di operacion tabata e forsa cu a stimulá e Proyecto pa Mehorá e Sistema di Aire Comprimi. E sistema di aire tabata tin algun dificultadnan grandi cu mester a wordo reglá: tabata tin condensacion di awa den henter e sistema, tubonan a wordo afectá hopi pa corosion, hidro-carburonan tabata drenta den e sistema di aire y tabata tin leaknan den e sistema di distribucion di aire.

E Proyecto pa Mehorá e Sistema di Aire Comprimi (Compressed Air System Upgrade Project) a coregí e defectonan y lo suministrá e refinaria cu un cantidad confiable di aire comprimi, sin awa, azeta y particulonan.

E preocupacion di mas grandi durante e ultimo añanan tabata e cantidad di awa den e aire. Awa ta causa daño y corosion na instrumentonan y otro equipo. Esaki por causa fayó di instrumento, loke na su turno por afectá seriamente e confiabilidad y seguridad di operacionnan den refinaria. Den e proyecto aki, énfasis grandi a wordo poní ariba eliminacion di e problema di awa. Cuatro dryer di aire, dos na cada powerhouse a wordo instalá. Cada dryer tin dos cama desecante cu ta absorbá e awa y despues ta saca e aire muhá den atmosfera.

Pa corigí otro defectonan den e sistema di aire comprimi, leaknan a wordo tapá y trampanan di aire y dryernan a wordo instalá pa permití ceramento di drainnan, pa asina conservá aire. "Intake" filternan a wordo instalá na sitionan alcanzable na tur compresornan pa reduci e cantidad di particulonan den e aire.

Pa preveni cu azeta lo drenta den e tubonan di aire, "pipe loop"-nan a wordo instalá ariba e tankinan di combustible.

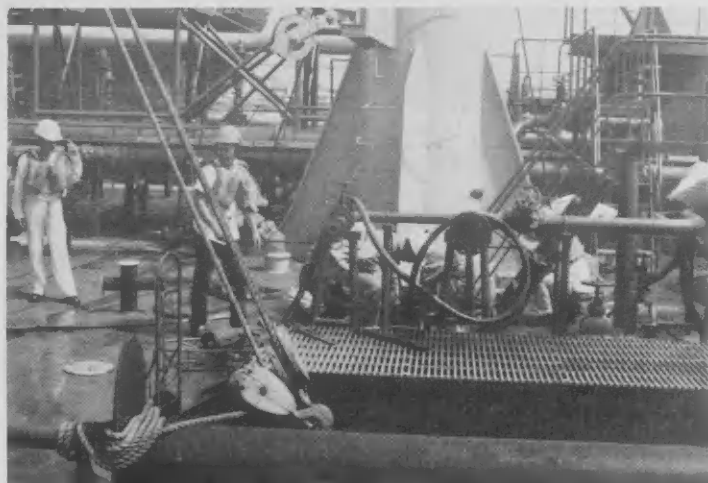
Tur e diferente facetanan aki di e Proyecto pa Mehorá e Sistema di Aire Comprimi a haci cu e calidad di aire pa uzo general den refinaria ta mas haltu. Verne Weir di Project Engineering Division di Technical Department tabata dirigente di e proyecto di 2.8 million dollar aki, cu a wordo completá dia 21 di October.

A perfect set-up

Fire on board Esso Portland

A series of long blasts were sounded on board the Esso Portland moored at Finger Pier No. 2 on September 23. Captain Bini of the Esso Portland called the Lago Marine Office. A few minutes later, the general alarm was sounded throughout the refinery. Fire on board the Esso Portland

All ship operations were stopped and all isolation valves were closed. The Oil Movements and Shipping tugboat personnel were dispatched to the scene of the fire. The Volunteer Fire Fighters, the Rescue Squad, the Rescue Divers and all OM&S personnel involved responded quickly to the alarm. Once at Finger Pier No. 2, the fire trucks promptly prepared for action, while the fire fighters assumed their position at the pier. The Rescue Squad rushed to assist the fire victims. In the meanwhile, a Fire Command Post was established at the head of Finger Pier No. 2. It was a perfect set-up! A well-organized and successful fire drill!



The Rescue Squad rushed to assist the fire victims

Although OM&S holds fire drills every quarter, this particular drill was of special significance for several reasons. To begin with, this exercise was the first to be conducted since the completion of an extensive fire response training program which had been carried out in mid-year. "The response to the drills held prior to this one showed room for improvement," said Don Esch, OM&S Division Superintendent. "We were weak in our emergency communications and in our basic knowledge of emergency procedures." To ensure a better response, a joint effort involving OM&S and the Industrial Security Department was undertaken to develop an in-house training program for OM&S supervisory personnel. In addition to communications, the program focused on control methods for various types of fires and on fire response procedures for specific OM&S emergency situations involving different tank designs, manifolds and waterfront operations. While assisting in this program, Errol Brown, Lago Fire Chief, was also involved in a related training program for the refinery's volunteer fire brigade, the results of which were very evident in this emergency.

Joe van der Linde, Shipping Master in OM&S who played a key role in developing the fire training program, was asked to select and coordinate the emergency simulation which occurred on this day. One type of emergency which had been discussed in class, but never really tested in the field, was that of a fire on board



The Rescue Squad quickly transported the victim to the Pier. Fire fighters were standing by...

a ship. With this idea in mind, Joe approached Captain F. Bini of the Esso Portland who agreed to give his full support to the exercise. The situation agreed upon was a simulated fire in the ship's pumproom. A member of the ship's crew would also be asked to participate as an injured person requiring removal by stretcher.

The final element of the simulation was that of surprise. Don Esch, in an opinion shared by those involved in the training program stated that, "in order to gain a worthwhile assessment of the organization's emergency response capability, it is essential that prior knowledge of the event be limited as much as possible to key personnel." Following notification of line management in the departments involved, the alarm was sounded.

In summarizing the wrap-up session which followed later in the day, Joe van der Linde noted that "most participants regarded the drill as the best one up to now, with an excellent response and good communications throughout." During the session, Captain Bini commented that he was pleased with the promptness of the response and felt that the joint exercise was quite worthwhile from the ship's viewpoint.

As for the element of surprise, the drill seemed so real that the crew of the Esso Shimizu, moored at the other side of the pier, had pulled and commissioned their hoses in preparation for fighting the fire on Esso Portland from aboard their ship, before they realized that it was only a drill



The fire trucks were being prepared for action, while the fire fighters assumed their position at the Pier



Carlos Kelly, the GOB Security Officer, was selected "Officer of the Third Quarter" of 1983. As with the two former officers that were selected this year, Carlos was selected on the basis of his outstanding performance. Captain Frederick Brooks presented him with a plaque that has his name engraved on it.



Dr. Arthur Meiners
Chief Physician/Administrator
Lago Medical Center

On November 14, Dr. Arthur Meiners assumed the position of Chief Physician and Administrator of the Lago Medical Center. Pabien! He is replacing Dr. J.A.M. de Ruijter who retired after 36 years of service with Lago.

Un plan perfecto

Candela a bordo Esso Portland

Un serie di pitonan largo a zona na bordo di Esso Portland, mará na Finger Pier No. 2 ariba dia 23 di September. Captain Bini di Esso Portland a yama Lago Marine Office. Un poco minuut despues alarma general a zona den henter e refineria. Candela na bordo di Esso Portland

Tur operacionnan di barco a wordo pará y tur e valvenan di isolacion a wordo será. Personal di remolcador di Oil Movements & Shipping a wordo despachá pa e sitio di candela. Bomberonan Voluntario, Escuadra di Rescate, Sambuyadornan di Rescate y tur e personal di OM&S envolví a responde lihé na e alarma. Una bez na Finger Pier No. 2, e trucknan di bombero a prepará pa accion, mientras cu bomberonan a asumí nan posicion na e pier. E Escuadra di Rescate a pura pa vuda victimanan di e candela. Mientras tanto e Puesto di Comando pa Candela a wordo establecí na cabez di Finger Pier No. 2. E plan tabata perfecto! Un ejercicio pa candela bon organisá y exitoso.

Aunke cu OM&S ta tene ehercicionan di candela cada pasa 3 luna, e ehercicio particular aki tabata tin un significacion especial pa varios motibo. Pa cuminsá e ehercicio aki tabata e prome cu a wordo conduci desde cu e Fire Response Training Program extensivo a wordo completa na mita di aña. "E reaccion ariba ehercicionan cu a wordo tení prome cu esaki tabata laga hopi di desea," Don Esch, Division Superintendent di OM&S a bisa, "Nos tabata debil den nos comunicacionnan y nos conocimiento basico di proceduranan di emergencia." Pa sigurá un mihor reaccion, un esfuerzo colectivo envolviendo OM&S y Industrial Security Department a wordo haci pa desaroyá un programa di entrenamiento den Compania pa e personal supervisorio di OM&S. Fuera di comunicacion e programa a concentrá ariba e metodonan di control pa e diferente tiponan di candela y ariba e proceduranan cu ta wordo tumá den situacionnan specifico di emergencia na OM&S, cu ta envolvé diferente diseñonan di tanki, manifoldnan y operacionnan cant'i laman. Mientras cu e tabata asisti den e programa aki, Errol Brown, Lago Fire Chief,

tambe tabata envolví den un programa di entrenamiento complementario pa e cuerpo di bombero voluntario di refineria, di cual e resultadonan a sali bon cla den e emergencia aki.

Joe van der Linde, Shipping Master na OM&S kende a hunga un papel clave pa desaroyá e programa di entrenamiento pa candela, a wordo puntrá pa selectá y coordiná e simulacion di emergencia cu a tuma lugar ariba e dia aki. Un tipo de emergencia cu a wordo discuti den klas, pero cu nunca verdaderamente a wordo purbá den field, tabata esun di un candela na bordo di un barco. Cu e idea aki den su mente, Joe a aserca Capitan F. Bini di Esso Portland kende a bai di acuerdo pa duna su sosten completo na e ehercicio. A wordo dicidí pa simulá un candela den e pumproom di e barco. Un miembro di tripulacion di e barco tambe a wordo puntrá pa participa como un persona heridá cu mester wordo transportá cu stretcher.

E elemento final di e simulacion tabata esun di sorpresa. Don Esch, dunando un opinion cu a wordo compartí pa hopi di esnan envolví den e programa di entrenamiento a bisa cu, "pa haci un contribucion di valor na e capabilidad di e organizacion pa tuma accion den caso di emergencia, ta esencial pa solamente e personal clave ta na altura di e ehercicio cu ta pa tuma lugar." Despues cu gerencia di e departamentonan envolví a wordo notificá, alarma a wordo batí.

Resumiendo e wrap-up session cu a tuma lugar e mesun dia despues di e ehercicio, Joe van der Linde a muestra cu mayoria di e participantenan a considerá e ehercicio aki como es di mihor te awor, cu un reaccion excelente y bon comunicacion durante henter e ehercicio." Durante e session Capitan Bini a comentá cu e tabata contento cu e lihereza di e reaccion y el a sinti cu e ehercicio mutuo tabata di hopi valor pa e barco.

Pa loke ta trata e elemento di sorpresa, e ehercicio a parse di ta asina real cu e tripulacion di Esso Shimizu, cu tabata mará na otro banda di e pier, a saca hosenan pa prepará pa combatí e candela ariba Esso Portland for di nan barco, promé cu nan a realizá cu tabata trata solamente di un ehercicio.....

New approaches in T/A require less downtime

Those closely involved with turnarounds know it usually takes about six months to complete a sulphur turnaround which involves retubing of the coalescers and reaction furnace.

The S2AR turnaround initiated in March, however, was completed three months earlier, in June instead of September. Quite an achievement!

How was this accomplished? This shorter downtime was made possible through the use of two new approaches implemented through close planning and coordination between the sections of the Mechanical Department, Process Department and the Contractor. For the first time in the field, a mill cutter, a tube puller machine and mandrill were used instead of the customary method of grinding and gouging. As was hoped, a greater amount of tubes were pulled in less time.

The second contributing factor was the use of the 'gas metal arc welding' method (g.m.a.w.), instead of the 'gas tungsten arc welding' method (g.t.a.w.). By using the g.maw method, the seal welding of the tube ends was reduced by about 40 minutes per tube. Considering the large number of tubes to be welded, one coalescer alone has about 425 tubes, the amount of time saved was of course considerable.



With the tube puller machine a larger amount of tubes were pulled in less time

"This achievement", said Willem Palm of the Planning Section, "is much in line with our Company objectives. The increased speed in accomplishing work, requiring shorter downtime of the units, results in lower maintenance expenses and enables the Company to start production faster".



William Smith of Exxon's Research Environmental Health Control along with Rusette Arends and Simon Geerman of Lago's Safety Section are checking for hydrocarbon gasses at a leaking pump, during the two-week annual Environmental Health Control.

"The superior repair methods leading to this obvious increase in productivity", commented Willem, "will probably become a standard for sulphur plant turnarounds." The tube puller and the g.maw method now are being employed on the SIAR turnaround.



Usando e metodo "g.maw", e cantidad di oranan ahorrá tabata considerable

Menos tempo pa T/A cu metodonan nobo

Esnan hopi involví den turnaround sa cu mayoria di vez ta tuma mas o menos seis luna pa terminá un turnaround di un planta di sulphur cu ta enserá e instalacion di tubo nobo den e 'coalescer' y 'reaction furnace'. Sinembargo, e S2AR turnaround, cu a ser iniciá na Maart, a wordo terminá na Juni en vez di September, pues tres luna adelantá. Esta un logro!

Con esaki a ser lográ? Cu e unidad tabata abao pa un periodo asina cortico tabata posibel door di e uso di dos metodo nobo cu a ser implementá pa medio di planeamento y coordinacion estrecho entre e seccionnan di Mechanical y Process Department y e Contratista. Pa di promer biaha den planta un 'mill cutter', un 'tube puller' y un 'mandrill' a ser usa en vez di e metodo costumario di mula y saca metal afó. Manera a ser sperá, un cantidad grandi di tubo a ser sacá den menos tempo. E segundo factor contribuyente tabata e uso di e metodo 'gas metal arc welding' (g.maw) en vez di e metodo 'gas tungsten arc welding' (gtaw). Door di usa e metodo 'g.maw', e weldo di e puntanan di e tubo a ser reducí pa aproximadamente 40 minuut pa tubo. Considerando e gran cantidad di tubo cu mester a weldo, un 'coalescer' so tin mas o menos 425 tubo, e cantidad di oranan ahorrá naturalmente tabata considerable.

E dos factornan ey involví den e operacion di pone tubo nobo a aumentá productividad y a reducí tempo y gasto durante e turnaround aki.

"E logro aki," Willem Palm di Planning Section a bisa, "ta hopi di acuerdo cu e obhetivonan di Compania. E aumento den e lihieza cu cual e trabow a ser completá a causa cu e unidannan mester tabata abao pa menos tempo. Esey a resultá den menos gasto di mantencion y a haci posibel pa Compania cumenza producí mas liher". "E metodonan superior di reparacion cu a conduci na e aumento obvio aki den productividad," Willem a comentá, "probablemente lo bira un standard pa turnaround di e plantanan di sulfur."

E 'tube puller' y e metodo g.maw awor ta ser emplea den e turnaround di SIAR.

Safety is for Winners ... October



Edwin Gietel - Standing fan



Ildo Croeze - Cocktail service cart



Victor Marval - ticket to Curaçao



Geronimo Croes - Dinner certificate



Mario Dania - Crystal glasses



Joaquin Lumenier - Dinner certificate



Clyde Rodkey - wall clock



Thomas Bermudes - Barbeque grill



Jose Donata - Dinner certificate



David Luydens - Ice chest



Luis Tromp - Kitchen center



Donny Henriquez - Suitcase set



Norman Walker - Coffeemaker



Benedicto Giel - Typewriter



Edward Rumnit - Dinner certificate



Olivia Jansen - Oven/broiler



Tarcisio Semeleer - video game system

Seguridad ta pa Ganadornan ... November



The Instruments/Electrical Volleyball team has won so many trophies in its two years of existence, that it started donating them to its fans The team members have won most of the trophies playing in knock-outs outside of Lago against other



Aruba teams. "We have fun," said Rudy Dirks ("Moffi"). Instruments/Electrical is also active in many other sports activities and recently qualified second place in softball at Lago.



E empleadonan femenino tabata basta activo den deporte e anja aki. Ademas di e participá den bowling hunto cu empleadonan masculino, nan e lanta e team di softball y di volleyball. Ambos team a hunga den algun knock-outs. Ariba foto, e team di volleyball.



Some do it to lose weight, some do it to enjoy nature Some walk, some run but everybody has fun It's the Hash House Harriers. The "hashers", a group of "Lagoites" along with family and friends, get together at a different site of Aruba every two weeks to follow a paper trail with lots of breaks and surprises



devilishly laid out by some HHH members called "hares". Through the "Hash" many have had the opportunity to visit "hidden" spots of the island they would have otherwise never seen.... Besides this one, there are 350 other Hash Clubs around the world.